

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

APPLICATION NO.
09/482,682

APPLICANT
Von Seggern *et al.*

FILING DATE
January 14, 2000

**GROUP
1643**

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
SJP	AA1	4,356,270	10/26/1982	Itakura	435	317	11/05/1979
	AB1	5,543,328	08/06/1996	McClelland <i>et al.</i>	435	320.1	08/13/1993
	AC1	5,750,396	05/12/1998	Yang <i>et al.</i>	435	357	05/08/1995
	AD1	5,756,086	05/26/1998	McClelland <i>et al.</i>	424	93.2	02/06/1996
	AE1	5,919,676	07/06/1999	Graham <i>et al.</i>	435	172.3	06/07/1995
	AF1	5,994,106	10/30/1999	Kovesdi <i>et al.</i>	435	91.4	11/26/1996
SF	AG1	5,998,205	12/07/1999	Hallenbeck <i>et al.</i>	435	325	07/01/1997
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>SA</i>	AL1	WO 92/06693	04/30/1992	WIPO			Yes No
	AM1	WO 95/00655	01/05/1995	WIPO			Yes No
	AN1	WO 95/11984	05/04/1995	WIPO			Yes No
	AO1	WO 95/26412	10/05/1995	WIPO			Yes No
<i>SA</i>	AP1	WO 95/34671	12/21/1995	WIPO			Yes No

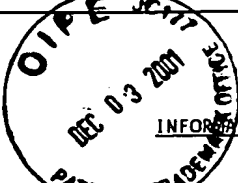
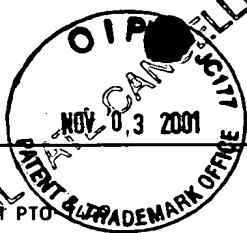
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SA	AR	1	Allison, J. <i>et al.</i> , "Tissue-Specific and Hormonal Regulation of the Gene for Rat Prostatic Steroid-Binding Protein in Transgenic Mice," <i>Mol. Cell. Biol.</i> 9:2254-2257, American Society for Microbiology (1989).
	AS	1	Altschul, S.F. <i>et al.</i> , Basic Local Alignment Search Tool," <i>J. Mol. Biol.</i> 215:403-410, Academic Press Ltd (1990).
SA	AT	1	Amalfitano, A. <i>et al.</i> , "Improved Adenovirus Packaging Cell Lines to Support the Growth of Replication-Defective Gene-Delivery Vectors," <i>Proc. Natl. Acad. Sci. USA</i> 93:3352-3356, The National Academy of Sciences of the USA (April 1996).

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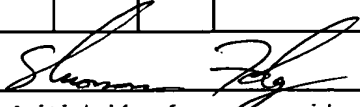
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
SAH	AL2	WO 96/14061	05/17/1996	WIPO			Yes No
	AM2	WO 96/22378	07/25/1996	WIPO			Abstract Yes No
	AN2	WO 96/39530	12/12/1996	WIPO			Yes No
	A02	WO 97/37220	10/09/1997	WIPO			Yes No
	AP2	WO 98/13499	04/02/1998	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SAH	AR	2	Armentano, D. <i>et al.</i> , "Characterization of An Adenovirus Gene Transfer Vector Containing an E4 Deletion," <i>Hum. Gene Ther.</i> 6:1343-1353, Mary Ann Liebert, Inc. (October 1995).
	AS	2	Arnberg, N., <i>et al.</i> , "Fiber Genes of Adenoviruses with Tropism for the Eye and the Genital Tract," <i>Virology</i> 227:239-244, Academic Press, Inc. (January 1997).
	AT	2	Austin, E.A. and Huber, B.E., "A First Step in the Development of Gene Therapy for Colorectal Carcinoma: Cloning, Sequencing, and Expression of <i>Escherichia coli</i> Cytosine Deaminase," <i>Mol. Pharmacol.</i> 43:380-387, ASPET (1993).

EXAMINER 	DATE CONSIDERED 3/8/2
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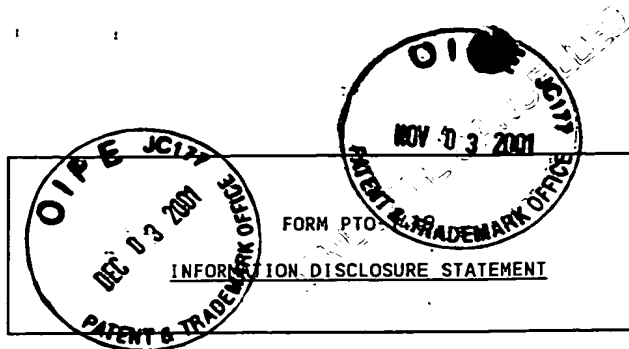
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<i>SFF</i>	AL3	WO 98/17783	04/30/1998	WIPO			Yes No
	AM3	WO 98/44121	10/08/1998	WIPO			Abstract Yes No
<i>SFF</i>	AN3	EP 0 892 047	01/20/1999	Europe			Abstract Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>SFF</i>	AR	<u>3</u>	Ausubel, F.M. <i>et al.</i> , "Synthesizing RNA," in <i>Current Protocols in Molecular Biology</i> , Suppl. 8 p. 2.11.7, John Wiley & Sons, Inc. New York (1991).
	AS	<u>3</u>	Berkner, K.L., "Development of Adenovirus Vectors for the Expression of Heterologous Genes," <i>BioTechniques</i> 6:616-629, Eaton Publishing Co. (1988).
<i>SFF</i>	AT	<u>3</u>	Bett, A.J., <i>et al.</i> , "Packaging Capacity and Stability of Human Adenovirus Type 5 Vectors," <i>J. Virol.</i> 67:5911-5921, American Society for Microbiology (1993).

EXAMINER <i>Shannon Foy</i>	DATE CONSIDERED <i>3/6/2</i>
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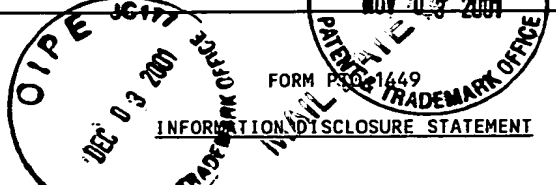
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	4	Bett, A.J., <i>et al.</i> , "An Efficient and Flexible System for Construction of Adenovirus Vectors with Insertions or Deletions in Early Regions 1 and 3," <i>Proc. Natl. Acad. Sci. USA</i> 91:8802-8806, The National Academy of Sciences of the USA (1994).
	AS	4	Birnboim, H.C. and Doly, J., "A rapid alkaline extraction procedure for screening recombinant plasmid DNA," <i>Nucl. Acids Res.</i> 7:1513-1523, Oxford University Press (1978).
	AT	4	Braun, R.E., <i>et al.</i> , "Protamine 3'-Untranslated Sequences Regulate Temporal Translational Control and Subcellular Localization of Growth Hormone in Spermatids of Transgenic Mice," <i>Genes Dev.</i> 3:793-802, Cold Spring Harbor Laboratory Press (1989).

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	AO						Yes No
	AP						Yes No

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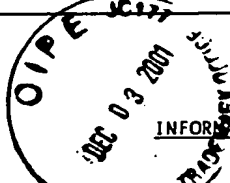
	AR	<u>5</u>	Brinster, R.L., <i>et al.</i> , "Expression of a Microinjected Immunoglobulin Gene in the Spleen of Transgenic Mice," <i>Nature</i> 306:332-336, Macmillan Magazines Ltd (1983).
	AS	<u>5</u>	Brough, D.E., <i>et al.</i> , "A Gene Transfer Vector-Cell Line System for Complete Functional Complementation of Adenovirus Early Regions E1 and E4," <i>J. Virol.</i> 70:6497-6501, American Society for Microbiology (September 1996).
	AT	<u>5</u>	Brown, E.L., <i>et al.</i> , "Chemical Synthesis and Cloning of a Tyrosine tRNA Gene," <i>Meth. Enzymol.</i> 68:109-151, Academic Press, Inc. (1979).

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 FORM PTO-143 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1294.0010001	APPLICATION NO. 09/482,682
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


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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No


OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>6</u>	Bucchini, D., <i>et al.</i> , "Pancreatic Expression of Human Insulin Gene in Transgenic Mice," <i>Proc. Natl. Acad. Sci. USA</i> 83:2511-2515, The National Academy of Sciences of the USA (1986).
	AS	<u>6</u>	Cannon, M.J., <i>et al.</i> , "Epstein-Barr Virus Induces Aggressive Lymphoproliferative Disorders of Human B Cell Origin in SCID/hu Chimeric Mice," <i>J. Clin. Invest.</i> 85:1333-1337, The Rockefeller University Press (1990).
	AT	<u>6</u>	Carillo, H., and Lipton, D., "The Multiple Sequence Alignment Problem in Biology," <i>SIAM J. Applied Math</i> 48:1073, Society for Industrial and Applied Mathematics (1988).

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 <p>FORM PTO-1</p> <p><u>INFORMATION DISCLOSURE STATEMENT</u></p>	ATTY. DOCKET NO. 1294.0010001	APPLICATION NO. 09/482,682
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
SP2	AR	Z	Chee-Sheung, C.C. <i>et al.</i> , "Characterization of a Temperature-Sensitive Fiber Mutant of Type 5 Adenovirus and Effect of the Mutation on Virion Assembly," <i>J. Virol.</i> 42:932-950, American Society for Microbiology (1982).
	AS	Z	Choi, T., <i>et al.</i> , "A Generic Intron Increases Gene Expression in Transgenic Mice," <i>Mol. Cell Biol.</i> 11:3070-3074, American Society for Microbiology (1991).
SP2	AT	Z	Chroboczek, J., <i>et al.</i> , "The Sequence of Adenovirus Fiber: Similarities and Differences Between Serotypes 2 and 5," <i>Virology</i> 161:549-554, Academic Press, Inc. (1987).

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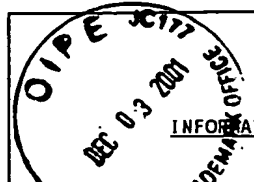
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SP	AR	8	Chroboczek, J., <i>et al.</i> , "The Sequence of the Genome of Adenovirus Type 5 and Its Comparison with the Genome of Adenovirus Type 2," <i>Virology</i> 186:280-285, Academic Press, Inc. (1992).
/	AS	8	Chroboczek, J., <i>et al.</i> , GenBank Accession No. M73260, (April 8, 1996).
SP	AT	8	Crenshaw, E.B., 3rd, <i>et al.</i> , "Cell-Specific Expression of the Prolactin Gene in Transgenic Mice is Controlled by Synergistic Interactions Between Promoter and Enhancer Elements," <i>Genes Dev.</i> 3:959-972, Cold Spring Laboratory Press (1989).

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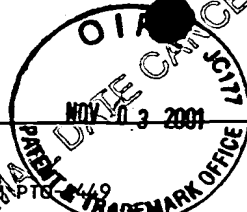
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	AM						Yes No
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	AP						Yes No

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SAF	AR	2	Crystal, R.G., <i>et al.</i> , "Administration of an Adenovirus Containing the Human CFTR cDNA to the Respiratory Tract of Individuals with Cystic Fibrosis," <i>Nature Genet.</i> 8:42-51, Macmillan Magazines Ltd (1994).
/	AS	2	Danciger, E., <i>et al.</i> , "Olfactory Marker Protein Gene: Its Structure and Olfactory Neuron-Specific Expression in Transgenic Mice," <i>Proc. Natl. Acad. Sci. USA</i> 86:8565-8569, The National Academy of Sciences of the USA (1989).
SAF	AT	2	Devereux, J., <i>et al.</i> , "A Comprehensive Set of Sequence Analysis Programs for the VAX," <i>Nucl. Acids Res.</i> 12:387-395, Oxford University Press (1984).

EXAMINER <i>Sharon Foly</i>	DATE CONSIDERED <i>3/8/12</i>
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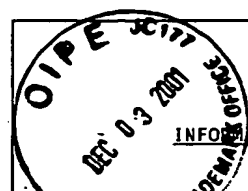

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	AR	<u>10</u>	Edwards, R.H., <i>et al.</i> , "Directed Expression of NGF to Pancreatic β Cells in Transgenic Mice Leads to Selective Hyperinnervation of the Islets," <i>Cell</i> 58:161-170, Cell Press (1989).
	AS	<u>10</u>	Falgout, B., and Ketner, G., "Characterization of Adenovirus Particles made by Deletion Mutants Lacking the Fiber Gene," <i>J. Virol.</i> 62:622-625, American Society for Microbiology (1988).
	AT	<u>10</u>	Fender, P., <i>et al.</i> , "Adenovirus Dodecahedron, A New Vector for Human Gene Transfer," <i>Nature Biotechnol.</i> 15:52-56, Nature Publishing Co. (January 1997).

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	AR	<u>11</u>	Fisher, K.J., <i>et al.</i> , "Recombinant Adenovirus Deleted of All Viral Genes for Gene Therapy of Cystic Fibrosis," <i>Virology</i> 217:11-22, Academic Press, Inc. (March 1996).
	AS	<u>11</u>	Forss-Petter, S., <i>et al.</i> , "Neuron-Specific Enolase: Complete Structure of Rat mRNA, Multiple Transcriptional Start Sites, and Evidence Suggesting Post-Transcriptional Control," <i>J. Neurosci. Res.</i> 16:141-151, John Wiley & Sons, Inc. (1986).
	AT	<u>11</u>	Gall, J., <i>et al.</i> , "Adenovirus Type 5 and 7 Capsid Chimera: Fiber Replacement Alters Receptor Tropism Without Affecting Primary Immune Neutralization Epitopes," <i>J. Virol.</i> 70:2116-2123, American Society for Microbiology (April 1996).

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SAC	AR	<u>12</u>	Gorziglia, M.I., <i>et al.</i> , "Elimination of Both E1 and E2 From Adenovirus Vectors Further Improves Prospects for <i>in vivo</i> Human Gene Therapy," <i>J. Virol.</i> 70:4173-4178, American Society for Microbiology (June 1996).
/	AS	<u>12</u>	Graham, F.L., <i>et al.</i> , "Characteristics of a Human Cell Line Transformed by DNA From Human Adenovirus Type 5," <i>J. Gen. Virol.</i> 36:59-72, Society of General Microbiology (1977).
SAC	AT	<u>12</u>	Gribskov, M., and Burgess, R.R., "Sigma Factors From <i>E. coli</i> , <i>B. subtilis</i> , phage SP01, and phage T4 are Homologous Proteins," <i>Nucl. Acids Res.</i> 14:6745-6763, Oxford University Press (1986).

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

 <p>FORM PTO-1449</p> <p>INFORMATION DISCLOSURE STATEMENT</p>	ATTY. DOCKET NO. 1294.0010001	APPLICATION NO. 09/482,682
	APPLICANT Von Seggern <i>et al.</i>	
	FILING DATE January 14, 2000	GROUP 1643

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SAE	AR	13	Grosschedl, R., <i>et al.</i> , "Introduction of a μ Immunoglobulin Gene into the Mouse Germ Line: Specific Expression in Lymphoid Cells and Synthesis of Functional Antibody," <i>Cell</i> 38:647-658, Cell Press (1984).
/	AS	13	Haecker, S.E., <i>et al.</i> , "In vivo Expression of Full-Length Human Dystrophin from Adenoviral Vectors Deleted of All Viral Genes," <i>Human Gene Ther.</i> 7:1907-1914, Mary Ann Liebert, Inc. (October 1996).
SAE	AT	13	Hardy, S., <i>et al.</i> , "Construction of Adenovirus Vectors Through <i>Cre-lox</i> Recombination," <i>J. Virol.</i> 71:1842-1849, American Society for Microbiology (March 1997).

EXAMINER <i>Sharon Foy</i>	DATE CONSIDERED <i>3/8/02</i>
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	FORM PTO-144	ATTY. DOCKET NO. 1294.0010001	APPLICATION NO. 09/482,682
	INFORMATION DISCLOSURE STATEMENT	APPLICANT Von Seggern <i>et al.</i>	
	FILING DATE January 14, 2000	GROUP 1643	

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SPF	AR	14	He, T.C., <i>et al.</i> , "A simplified system for generating recombinant adenoviruses," <i>Proc. Natl. Acad. Sci. USA</i> 95:2509-2514, The National Academy of Sciences of the USA (March 1998).
/	AS	14	Henry, L.J., <i>et al.</i> , "Characterization of the Knob Domain of the Adenovirus type 5 Fiber Protein Expressed in <i>Escherichia coli</i> ," <i>J. Virol.</i> 68:5239-5246, American Society for Microbiology (1994).
SPF	AT	14	Hérissé, J., <i>et al.</i> , "Nucleotide Sequence of Adenovirus 2 DNA Fragment Encoding for the Carboxylic Region of the Fiber Protein and the Entire E4 region," <i>Nucl. Acids Res.</i> 9:4023-4041, Oxford University Press (1981).

EXAMINER <i>Sharon Foley</i>	DATE CONSIDERED <i>02/08/02</i>
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 FORM PTO-1449
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ATTY. DOCKET NO.
 1294.0010001

APPLICATION NO.
 09/482,682

APPLICANT
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	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
SAE	AR	15	Hong, J.S., and Engler, J.A., "The Amino Terminus of the Adenovirus Fiber Protein Encodes the Nuclear Localization Signal," <i>Virology</i> 185:758-767, Academic Press, Inc. (1991).
SAE	AS	15	Horton, R.M., <i>et al.</i> , "Gene Splicing by Overlap Extension: Tailor-Made Genes Using the Polymerase Chain Reaction," <i>BioTechniques</i> 8:528-535, Eaton Publishing Co. (1990).
SAE	AT	15	Horwitz, M.S. "Adenoviridae and Their Replication," in <i>Virology</i> , Fields and Knipe, eds., Raven Press, NY pp. 1679-1740 (1990).

EXAMINER *Sharon Ziegler*

DATE CONSIDERED *5/8/2*

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SH	AR	16	Huang, S., <i>et al.</i> , "Upregulation of Integrins $\alpha_v\beta_3$ and $\alpha_v\beta_5$ on Human Monocytes and T Lymphocytes Facilitates Adenovirus-Mediated Gene Delivery," <i>J. Virol.</i> 69:2257-2263, American Society for Microbiology (April 1995).
/	AS	16	Huang S., <i>et al.</i> , "Adenovirus Interaction with Distinct Integrins Mediates Separate Events in Cell Entry and Gene Delivery to Hematopoietic Cells," <i>J. Virol.</i> 70:4502-4508, American Society for Microbiology (July 1996).
SH	AT	16	Huang, S., <i>et al.</i> , "Growth Arrest of Epstein-Barr Virus Immortalized B Lymphocytes by Adenovirus-Delivered Ribozymes," <i>Proc. Natl. Acad. Sci USA</i> 94:8156-8161, The National Academy of Sciences of the USA (July 1997).

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SF	AR	17	Huang, S., <i>et al.</i> , "A Single Amino Acid in the Adenovirus Type 37 Fiber Confers Binding to Human Conjunctival Cells," <i>J. Virol.</i> 73:2798-2802, American Society for Microbiology (April 1999).
	AS	17	Kinloch, R., <i>et al.</i> , "Adenovirus Hexon. Sequence Comparison of Subgroup C Serotypes 2 and 5," <i>J. Biol. Chem.</i> 259:6431-6436, American Society for Biochemistry and Molecular Biology, Inc. (1984).
SF	AT	17	Knowles, M.R., <i>et al.</i> , "A Controlled Study of Adenoviral-Vector-Mediated Gene Transfer in the Nasal Epithelium of Patients with Cystic Fibrosis," <i>New Engl. J. Med.</i> 333:823-831, Massachusetts Medical Society (September 1995).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SAF	AR	<u>18</u>	Krasnykh, V.N., <i>et al.</i> , "Generation of Recombinant Adenovirus Vectors with Modified Fibers for Altering Viral Tropism," <i>J. Virol.</i> 70:6839-6846, American Society for Microbiology (October 1996).
	AS	<u>18</u>	Lieber, A., <i>et al.</i> , "Integrating Adenovirus-Adeno-Associated Virus Hybrid Vectors Devoid of All Viral Genes," <i>J. Virol.</i> 73:9314-9324, American Society for Microbiology (November 1999).
SAF	AT	<u>18</u>	Loeb, J.E., <i>et al.</i> , "Enhanced Expression of Transgenes From Adeno-Associated Virus Vectors with the Woodchuck Hepatitis Virus Posttranscriptional Regulatory Element: Implications for Gene Therapy," <i>Hum. Gene Ther.</i> 10:2295-2305, Mary Ann Liebert, Inc. (September 1999).

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FORM PTO-449

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SF	AR	19	Logan, J., <i>et al.</i> , "Adenovirus Tripartite Leader Sequence Enhances Translation of mRNAs Late After Infection," <i>Proc. Natl. Acad. Sci. USA</i> 81:3655-3659, The National Academy of Sciences of the USA (1984).
	AS	19	Lopez, C., <i>et al.</i> , "Efficient Production of Biologically Active Human Recombinant Proteins in Human Lymphoblastoid Cells from Integrative and Episomal Expression Vectors," <i>Gene</i> 148:285-291, Elsevier Science Publishers B.V. (1994).
	AT	19	Magram, J., <i>et al.</i> , " β -globin Enhancers Target Expression of a Heterologous Gene to Erythroid Tissues of Transgenic Mice," <i>Mol. Cell. Biol.</i> 9:4581-4584, American Society for Microbiology (1989).

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FORM PTO-101
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1294.0010001	APPLICATION NO. 09/482,682
APPLICANT Von Seggern <i>et al.</i>	
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>SP2</i> <i>SP1</i>	AR	<u>20</u>	McVey, J.H., <i>et al.</i> , "Characterization of the Mouse SPARC/osteonectin Gene. Intron/exon Organization and an Unusual Promoter Region," <i>J. Biol. Chem.</i> 263:11,111-11, 116, American Society for Biochemistry and Molecular Biology, Inc. (1988).
	AS	<u>20</u>	Michael, S.L., <i>et al.</i> , "Addition of a Short Peptide Ligand to the Adenovirus Fiber Protein," <i>Gene Ther.</i> 2:660-668, Stockton Press (November 1995).
	AT	<u>20</u>	Mitani, K., <i>et al.</i> , "Rescue, Propagation, and Partial Purification of a Helper Virus-Dependent Adenovirus Vector," <i>Proc. Natl. Acad. Sci. USA</i> 92:3854-3858, The National Academy of Sciences of the USA (April 1995).

EXAMINER <i>Sharon Zof</i>	DATE CONSIDERED <i>5/8/2</i>
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SAE	AR	21	Morsy, M.A., and Caskey, C.T., "Expanded-Capacity Adenoviral Vectors--The Helper-Dependent Vectors," <i>Mol. Med. Today</i> 5:18-24, Molecular Medicine Society (January 1999).
/	AS	21	Muller, W.J., <i>et al.</i> , "Single-Step Induction of Mammary Adenocarcinoma in Transgenic Mice Bearing the Activated C-Neu Oncogene," <i>Cell</i> 54:105-115, Cell Press (1988).
SAE	AT	21	Narang, S.A., <i>et al.</i> , "Improved Phosphotriester Method for the Synthesis of Gene Fragments," <i>Meth. Enzymol.</i> 68:90-98, Academic Press, Inc. (1979).

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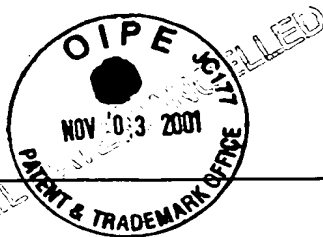
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SPF	AR	22	Nathans, J., <i>et al.</i> , "Isolation and Nucleotide Sequence of the Gene Encoding Human Rhodopsin," <i>Proc. Natl. Acad. Sci. USA</i> 81:4851-4855, The National Academy of Sciences of the USA (1984).
/	AS	22	Needleman, S.B., and Wunsch, C.D., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins," <i>J. Mol. Biol.</i> 48:443-453, Academic Press, Inc. (1970).
SPF	AT	22	Neumann, R., <i>et al.</i> , "Determination of the Nucleotide Sequence for the Penton-Base Gene of Human Adenovirus Type 5," <i>Gene</i> 69:153-157, Elsevier Science Publishers B.V. (1988).

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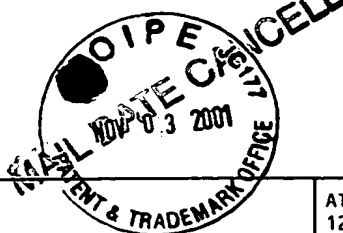
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SAF	AR	23	Novelli, A., <i>et al.</i> , "Assembly of Adenovirus Type 2 Fiber Synthesized in Cell-Free Translation System," <i>J. Biol. Chem.</i> 266:9299-9303, American Society for Biochemistry and Molecular Biology, Inc. (1991).
/	AS	23	Overbeek, P.A., <i>et al.</i> , "Lens-Specific Expression and Developmental Regulation of the Bacterial Chloramphenicol Acetyltransferase Gene Driven by the Murine α A-Crystallin Promoter in Transgenic Mice," <i>Proc. Natl. Acad. Sci. USA</i> 82:7815-7819, The National Academy of Sciences of the USA (1985).
SAF	AT	23	Palmiter, R.D., <i>et al.</i> , "Germ-Line Transformation of Mice," <i>Ann. Rev. Genet.</i> 20:465-499, Annual Reviews Inc. (1986).

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AO						Yes No
AP						Yes No

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SAF	AR	24	Parks, R.J., <i>et al.</i> , "A Helper Dependent Adenovirus Vector System: Removal of Helper Virus by Cre-Mediated Excision of the Viral Packaging Signal," <i>Proc. Natl. Acad. Sci. USA</i> 93:13565-13570, The National Academy of Sciences of the USA (November 1996).
/	AS	24	Pearson, W.R., and Lipman, D.J., "Improved Tools for Biological Sequence Comparison," <i>Proc. Natl. Acad. Sci. USA</i> 85:2444-2448, The National Academy of Sciences of the USA (1988).
SAF	AT	24	Peschon, J.J., <i>et al.</i> , "Expression of Mouse Protamine 1 Genes in Transgenic Mice," <i>Ann. New York Acad. Sci.</i> 564:186-197, Springer Press (1989).

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AN						Yes No
AO						Yes No
AP						Yes No

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SAF	AR	25	Petitclerc, D., <i>et al.</i> , "The Effect of Various Introns and Transcription Terminators on the Efficiency of Expression Vectors in Various Cultured Cell Lines and in the Mammary Gland of Transgenic Mice," <i>J. Biotechnol.</i> 40:169-178, Elsevier Science Publishers B.V. (June 1995).
	AS	25	Pisa, P., <i>et al.</i> , "Epstein-Barr Virus Induced Lymphoproliferative Tumors in Severe Combined Immunodeficient Mice are Oligoclonal," <i>Blood</i> 79:173-179, W.B. Saunders (1992).
STC	AT	25	Roberts, R.J., <i>et al.</i> , "DNA Sequences From the Adenovirus 2 Genome," <i>J. Biol. Chem.</i> 259:13968-13975, American Society for Biochemistry and Molecular Biology, Inc. (1984).

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	AN					Yes No
	AO					Yes No
	AP					Yes No

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SAF	AR	<u>26</u>	Rosenfeld, M.A., <i>et al.</i> , "In vivo Transfer of the Human Cystic Fibrosis Transmembrane Conductance Regulator Gene to the Airway Epithelium," <i>Cell</i> 68:143-155, Cell Press (1992).
SAF	AS	<u>26</u>	Rowe, M., <i>et al.</i> , "Analysis of Epstein-Barr Virus Gene Expression in Lymphomas Derived from Normal Human B Cells Grafted into SCID Mice," <i>Curr. Topics Microbiol. Immunol.</i> 166:325-331, Springer-Verlag (1990).
SAF	AT	<u>26</u>	Rusconi, S., <i>et al.</i> , "Transmission and Expression of a Specific Pair of Rearranged Immunoglobulin μ and κ Genes in a Transgenic Mouse Line," <i>Nature</i> 314:330-334, Macmillan Magazines Ltd (1985).

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	AL					Yes No
	AM					Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SAE	AR	27	Shani, M., "Tissue-Specific and Developmentally Regulated Expression of a Chimeric Actin-Globin Gene in Transgenic Mice," <i>Mol. Cell. Biol.</i> 6:2624-2631, American Society for Microbiology (1986).
/	AS	27	Sheay, W., <i>et al.</i> , "Downstream Insertion of the Adenovirus Tripartite Leader Sequence Enhances Expression in Universal Eukaryotic Vectors," <i>BioTechniques</i> 15:856-862, Eaton Publishing Co. (1993).
SAE	AT	27	Shenk, T., "Virology," Ch. 67 in <i>Fields et al.</i> , eds., Lippincott-Raven, Philadelphia, pp. 2111-2148 (1996; month of publication not known).

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SAE	AR	28	Smith, T.F. and Waterman, M.S. "Comparison of Biosequences," <i>Adv. Appl. Math.</i> 2:482-489, Academic Press, Inc. (1981).
	AS	28	Sorscher, E.J., <i>et al.</i> , "Tumor Cell Bystander Killing in Colonic Carcinoma Utilizing the <i>Escherichia coli</i> DeoD Gene to Generate Toxic Purines," <i>Gene Ther.</i> 1:233-238, Stockton Press (1994).
SAE	AT	28	Spector, D.J., "The Pattern of Integration of Viral DNA Sequences in the Adenovirus 5-Transformed Human Cell Line 293," <i>Virology</i> 130:533-538, Academic Press, Inc. (1983).

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SA	AR	29	Stevenson, S.C. <i>et al.</i> , "Selective targeting of human cells by a chimeric adenovirus vector containing a modified fiber protein," <i>J. Virol.</i> 71:4782-4790, American Society for Microbiology (June 1997).
/	AS	29	Stevenson, S.C., <i>et al.</i> , "Human Adenovirus Serotypes 3 and 5 Bind to Two Different Cellular Receptors via the Fiber Head Domain," <i>J. Virol.</i> 69:2850-2857, American Society for Microbiology (May 1995).
ST	AT	29	Storb, U., <i>et al.</i> , "High Expression of Cloned Immunoglobulin κ Gene in Transgenic Mice is Restricted to B Lymphocytes," <i>Nature</i> 310:238-231, Macmillan Magazines Ltd (1984).

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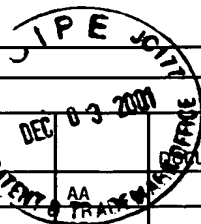
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	AM					Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SF	AR	30	Suhadolnik R.J., <i>et al.</i> , "Nucleoside antibiotics. I. Biochemical tools for studying the structural requirements for interaction at the catalytic and regulatory sites of ribonucleotide reductase from <i>Lactobacillus leichmannii</i> ," <i>J. Biol. Chem.</i> 243:3532-3539, American Society of Biological Chemists, Inc. (1968).
/	AS	30	Sutcliffe, J.G., "The genes for myelin," <i>Trends in Genet.</i> 3:73-76, Elsevier Science Ltd (1987).
SF	AT	30	Tatsumi, K., <i>et al.</i> , Thyrotropin (TSH)--Gene Organization and Expression," <i>Nippon Rinsho</i> 47:2213-2220, Nippon Rinsho Co. (1989).

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FORM PTO-4449

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	AM					Yes No
	AN					Yes No
	AO					Yes No
	AP					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SPF	AR	31	Thiel, J.F., <i>et al.</i> , "Fluorescent Focus Assay of Viruses in Cell Monolayers in Plastic Petri Plates," <i>Proc. Soc. Exp. Biol. Med.</i> 125:892-895, Society for Experimental Biology and Medicine (1967).
/	AS	31	Townes, T.M., <i>et al.</i> , "Expression of Human β -Globin Genes in Transgenic Mice: Effects of a Flanking Metallothionein-Human Growth Hormone Fusion Gene," <i>Mol. Cell. Biol.</i> 5:1977-1983, American Society for Microbiology (1985).
SPF	AT	31	Tremblay, Y., <i>et al.</i> , "Pituitary-Specific Expression and Glucocorticoid Regulation of a Proopiomelanocortin Fusion Gene in Transgenic Mice," <i>Proc. Natl. Acad. Sci. USA</i> 85:8890-8894, The National Academy of Sciences of the USA (1988).

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	AP					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SAC	AR	32	Van Der Vliet, P.C., <i>et al.</i> , "Thermolabile DNA Binding Proteins from Cells Infected with a Temperature-Sensitive Mutant of Adenovirus Defective in Viral DNA Synthesis," <i>J. Virol.</i> 15:348-354, American Society for Microbiology (1975).
	AS	32	Vassar, R., <i>et al.</i> , "Tissue-Specific and Differentiation-Specific Expression of a Human K14 Keratin Gene in Transgenic Mice," <i>Proc. Natl. Acad. Sci. USA</i> 86:1563-1567, The National Academy of Sciences of the USA (1989).
SAC	AT	32	von Seggern, D.J., <i>et al.</i> , "Complementation of a fibre mutant adenovirus by packaging cell lines stably expressing the adenovirus type 5 fibre protein," <i>J. Gen. Virol.</i> 79:1461-1468, Society for General Microbiology (June 1998).

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	AM					Yes No
	AN					Yes No
	AO					Yes No
	AP					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SAF	AR	33	von Seggeren, D.J., <i>et al.</i> , "Adenovirus vector pseudotyping in fiber-expressing cell lines: Improved transduction of Epstein-Barr virus-transformed B cells," <i>J. Virol.</i> 74:354-362, American Society for Microbiology (January 2000).
/	AS	33	von Seggern, D.J., <i>et al.</i> , "An Adenoviral Gene Therapy Vector Deleted for E1, E3 and Fiber: Structure and Infectivity of Fiberless Particles," <i>Cancer Gene Ther.</i> 5:S14, Abstract P-39 D, Stockton Press (November 1998).
SAF	AT	33	von Seggern, D.J., <i>et al.</i> , "A helper-independent adenovirus vector with E1, E3, and fiber deleted: Structure and infectivity of fiberless particles," <i>J. Virol.</i> 73:1601-1608, American Society for Microbiology (February 1999).

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FORM PTO-1469

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	AN					Yes No
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	AP					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

SPF	AR	34	Wickham, T.J., <i>et al.</i> , "Integrins $\alpha_v\beta_3$ and $\alpha_v\beta_5$ Promote Adenovirus Internalization But Not Virus Attachment," <i>Cell</i> 73:309-319, Cell Press (1993).
/	AS	34	Wickham, T.J., <i>et al.</i> , "Targeted Adenovirus Gene Transfer to Endothelial and Smooth Muscle Cells by Using Bispecific Antibodies," <i>J. Virol.</i> 70:6831-6838, American Society for Microbiology (October 1996).
SPF	AT	34	Zabner, J., <i>et al.</i> , "Adenovirus-Mediated Gene Transfer Transiently Corrects the Chloride Transport Defect in Nasal Epithelia of Patients with Cystic Fibrosis," <i>Cell</i> 75:207-216, Cell Press (1993).

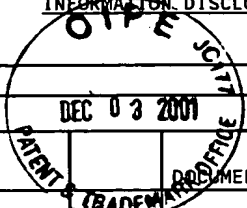
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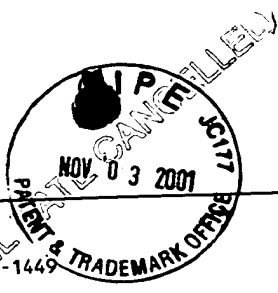
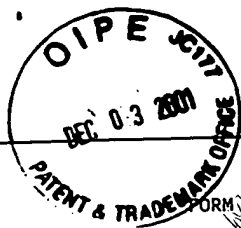
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SAE	AR	35	Zufferey, R. <i>et al.</i> , "Woodchuck hepatitis virus posttranscriptional regulatory element enhances expression of transgenes delivered by retroviral vectors," <i>J. Virol.</i> 73:2886-2892, American Society for Microbiology (April 1999).
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